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I & M MK978 Series (Sup)

*Supplemental Installation & Maintenance
Instructions for Mark 978 Sanitary Control Valve
Actuator (Positioner) Rotation*

Please read these instructions carefully!

Your Steriflow product will provide you with long, trouble-free service if it is correctly installed and maintained. Spending a few minutes now reading these instructions can save hours of trouble and downtime later. When making repairs, use only genuine Steriflow Valve parts, available for immediate shipment from the factory.

Actuator Reposition

Repositioning of the actuator/positioner assembly is possible with minimal disassembly. To do this, care must be taken to:

1. Protect the diaphragm seal in the valve.
2. Ensure the stroke adjustment is not altered.
3. Prevent the valve plug from turning while seated.

Reorienting the positioner/actuator can be done by rotating the actuator/yoke/bonnet in unison as one entire subassembly as follows:

1. If valve is air-to-open, apply air pressure to actuator to partially open the valve. If air-to-close, no air pressure to actuator is needed - valve is ready.

2. With valve plug off of seat, loosen the stem guide retaining ring (1) and bonnet locking ring (2) which secure the yoke flange (3) to the bonnet (4). See figure 1.
3. Loosen the body/bonnet bolts (5), keeping them engaged in the body threads. At this point, the actuator/yoke/bonnet should move freely and in unison with the valve stem assembly. If this is not possible, continue to loosen the body/bonnet bolts (5). Complete removal of the actuator/yoke/bonnet assembly from the valve body should not be necessary.
4. If valve is installed in piping, while lifting slightly by the actuator, rotate entire actuator/yoke assembly to desired position while ensuring the actuator stem and valve stem move in unison and that the valve diaphragm also rotates with the valve and actuator stems. If the valve is not installed, simply rotate the body to the desired position.

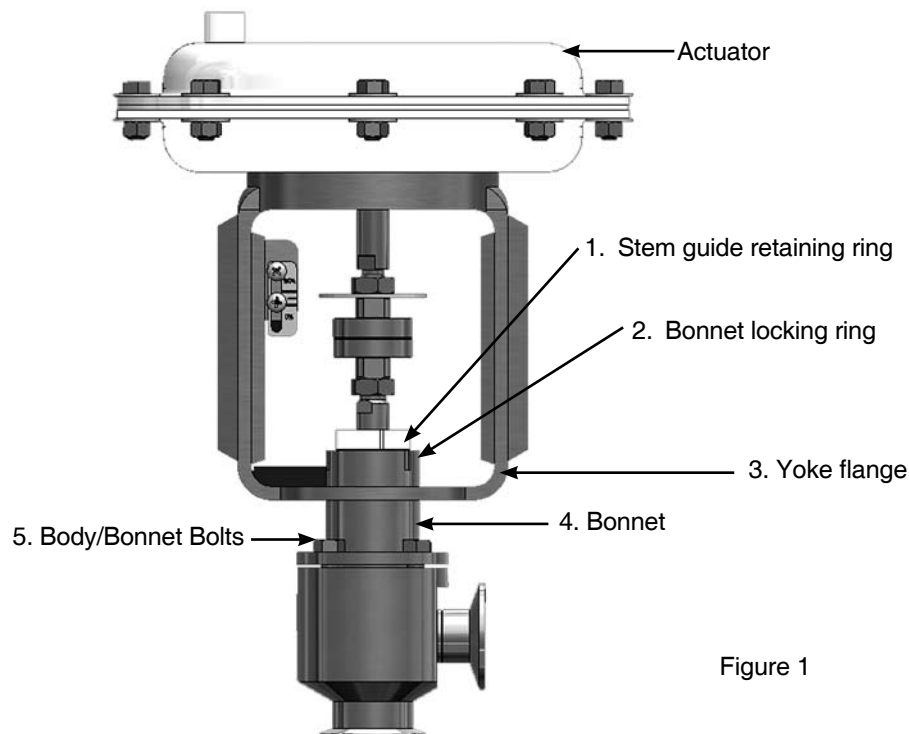
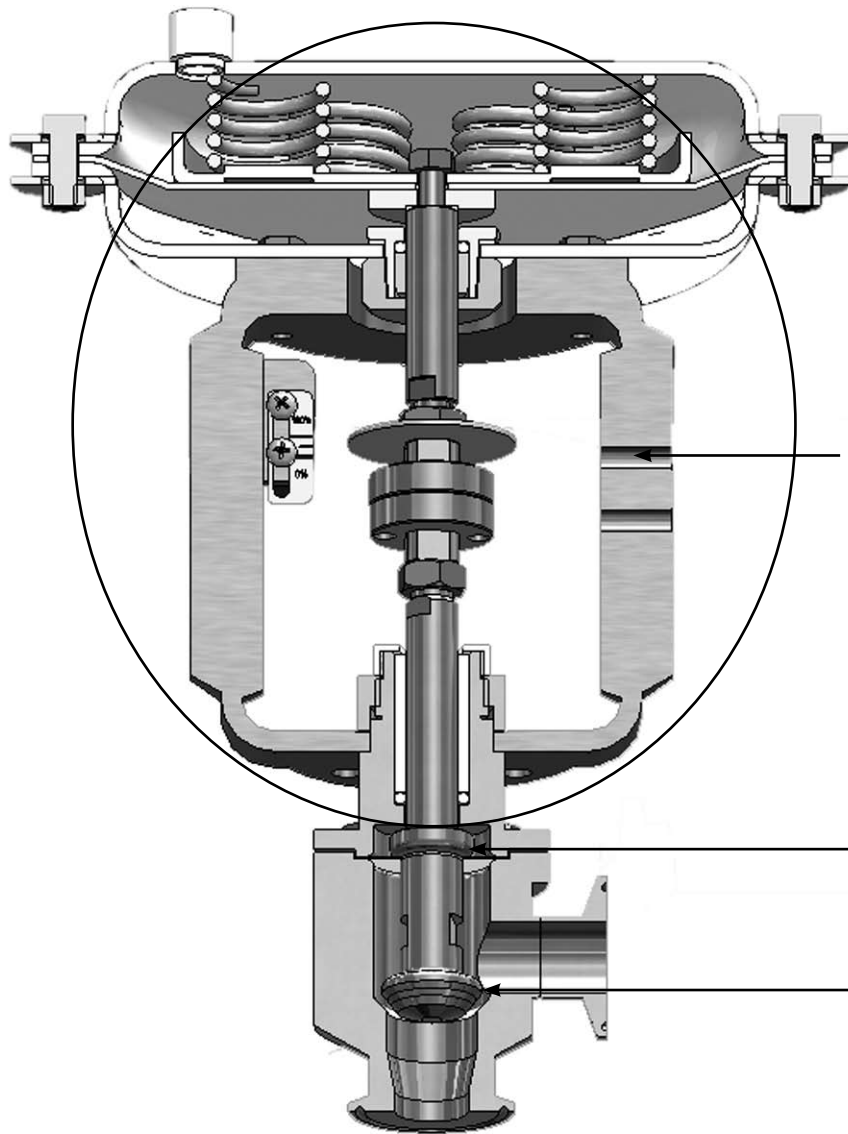
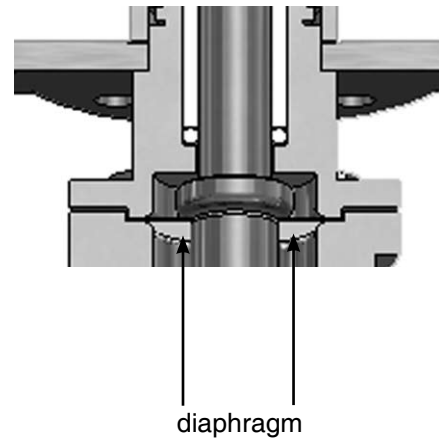


Figure 1

5. Once desired orientation is achieved, cross-tighten body/bonnet bolts (5) and secure bonnet locking rings (2) and stem guide retaining ring (1). For -JD Series, care must be taken that yoke/actuator assembly does not turn during this process.
6. If unit has a positioner, the instructions are exactly the same. As long as the entire assembly moved as one piece, the stroke length and actuator pre-load will not have changed and recalibration of the positioner should not be necessary.
7. Apply control signal and confirm valve opens and closes fully.



After locking rings and body/bonnet bolts are loosened, rotate entire actuator/yoke/bonnet assembly to desired position.

While rotating assembly, ensure diaphragm turns in unison so that it doesn't twist, tear or crimp. (-JD version only)

To protect shutoff and plug/seat finish, partially open valve before rotating actuator. (Reverse acting only)